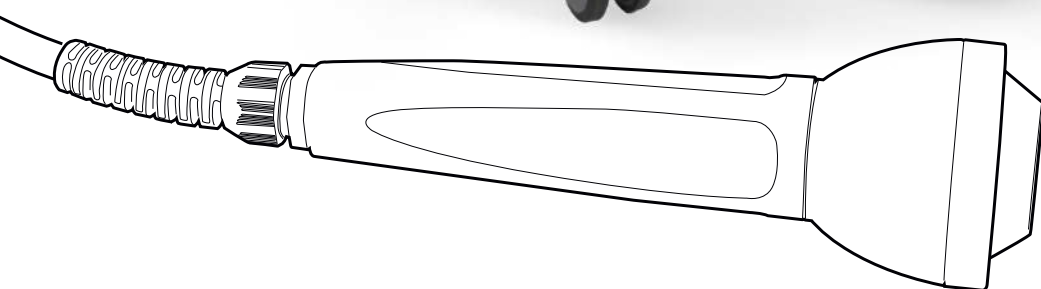


MODUS ESWT[®]



FOCUSED SHOCKWAVE THERAPY





Touchscreen interface
Modus ESWT®
Focused Shock Waves

WHAT IS FOCUSED SHOCK WAVE THERAPY?

The focusing mechanism directs each shock to a specific point in the body. Separate heads can be used to provide the energy depth. Focused shock waves can target deeper tissues more precisely by propagating all of the energy within the tissue. This is why local pain points, chronic

insertional tendinopathies, bone stress injuries, and deep trigger points are best treated with focused shock waves. Patients who cannot tolerate radial treatments for acute injuries can also going to benefit from focused shock wave therapy.

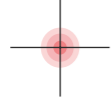


Modus ESWT
Focused Handpiece

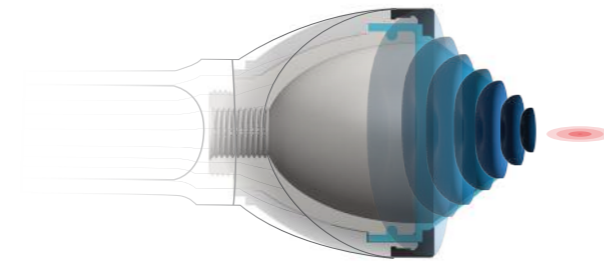
F-50 Head

Penetration Depths

- 20 mm
- 30 mm
- 50 mm
- 70 mm



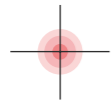
Usage Area: Epin Calcanei, Achillodynia, Bone and Stress Fractures, Calcified Tendonitis Of Shoulder, Patellar Type Syndrome...



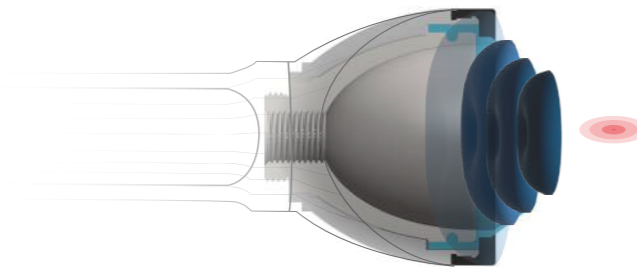
F-60 Head

Penetration Depths

- 30 mm
- 40 mm
- 60 mm



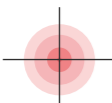
Usage Area: Myofascial Trigger Points, Plantar Fasciitis, Bone and Stress Fractures, Epin Calcanei, Patellar Type Syndrome...



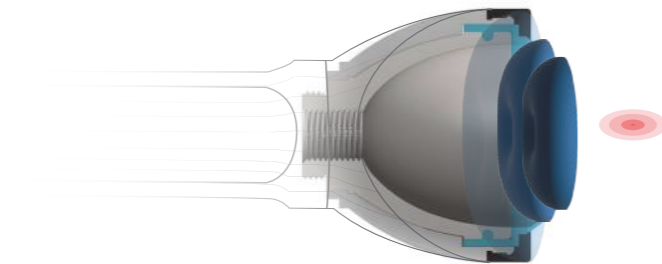
F-80 Head

Penetration Depths

- 40 mm
- 50 mm
- 80 mm



Usage Area: Achillodynia, Bone and Stress Fractures, Calcified Tendonitis Of Shoulders, Patellar Type Syndrome...



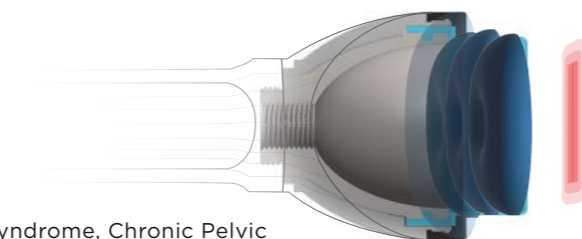
F-L50 Head

Penetration Depths

- 50 mm



Usage Area: Achillodynia, Carpal tunnel Syndrome, Chronic Pelvic Pain, Osteitis Pubis-Inguinal Pain, Patellar Type Syndrome...



MODUS ESWT FOCUSED HANDPIECE FEATURES

- > Full energy transmission to the selected anatomical region
- > Easy and fast use that does not tire the hand
- > Easy mobility
- > Maintenance-free handpiece
- > Head options with easy replacement according to use



**> GIVES MORE
ENERGY FURTHER**



Higher Energy Output



High Energy Depth



**Fast and Effective
Treatments**

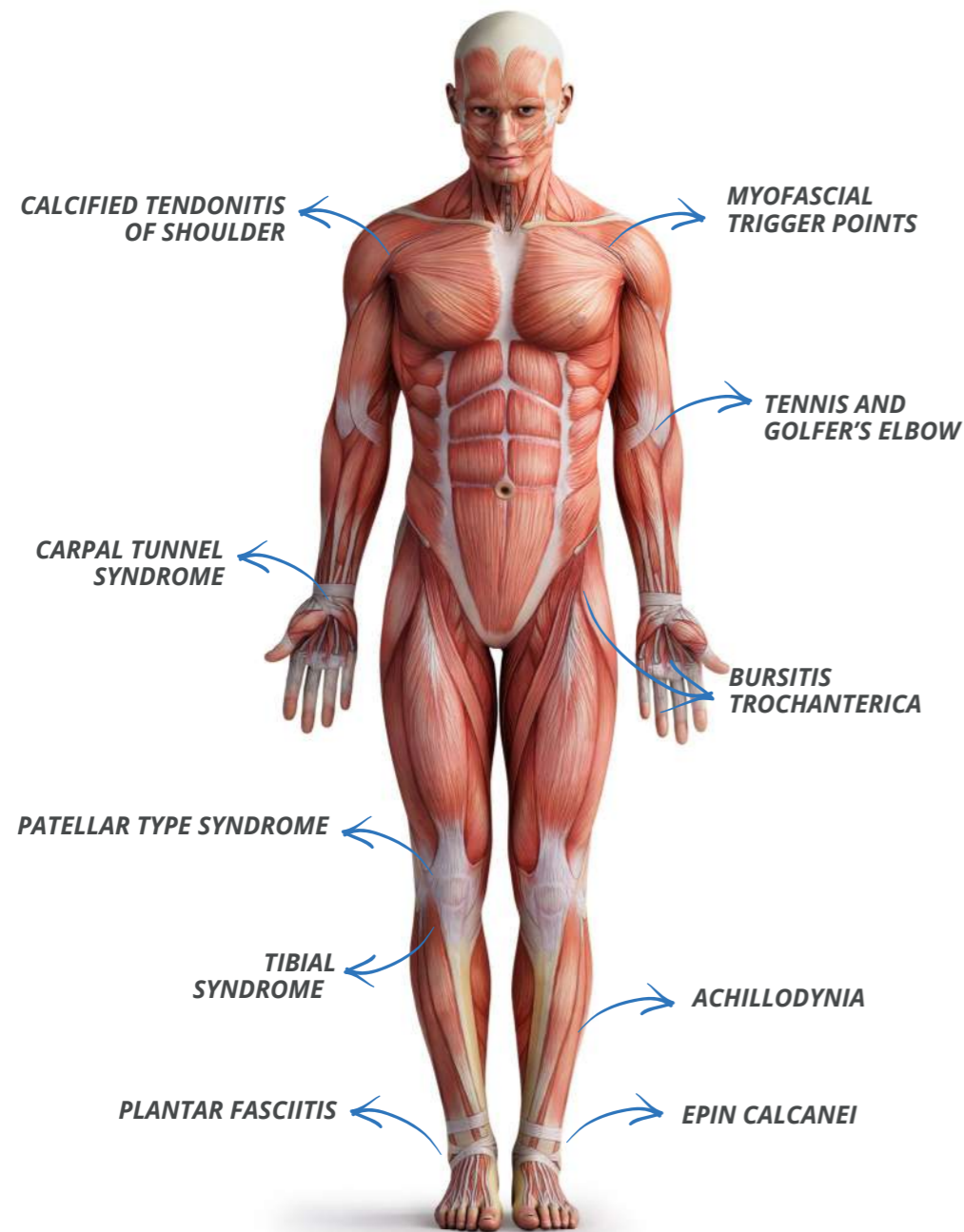
> WHAT IS THE SHOCK WAVE THERAPY ?

The administration of therapy using shock waves given outside of the body is a frequently preferred method in veterinary medicine, neurology, urology, cardiology, sports medicine, aesthetics, and especially in orthopedics and physical therapy. One of the advantages of this system is that it promotes faster tissue healing by increasing revascularization, collagen synthesis, and oxygenation in the application area. Furthermore, it develops less viscous tissue so that it is mechanically stronger.

With the non-invasive principle of the system, the desired treatment can be performed without the need for surgery.



> MAIN INDICATIONS FOR THE SYSTEM



Plantar Fasciitis

The plantar fascia is a flat strip of tissue connecting the toes and the heel bone. It runs front to back along the sole of the foot, attaching at the heel. This structure, which supports the foot arch, also helps walking. The connective tissue strip surrounding the sole of the foot can be torn or damaged due to the foot being exposed to excessive pressure. Accordingly, it causes pain and hardening in the heel. With focused shockwave therapy, the negative effects on the feet are eliminated.



Achilles Tendinopathy

It is a flexible strip of tissue located on the heel and behind the ankle. Tendons gain mobility more quickly, successfully and permanently with Modus ESWT shockwave therapy.



- > Greater Trochanteric Pain Syndrome
- > Approved Standard Indications
- > ESWT For Burns
- > ESWT For Keloids
- > Skin & ESWT
- > ESWT For Loose Skin And Cellulite
- > Pilot Trial: Hypertrophic Scars
- > First Human ESWT Application On The Open Heart Dring
- > Bypass Surgery
- > Dermato Sclerosis
- > lymphedema
- > It can also be used in larger areas.

Bone Tissue - Bone Pathologies / Osgood Schlatter

Osgood-Schlatter disease is an inflammation of the area just below the knee where the tibia of the tendon (patellar tendon) in the patella is attached. ESWT (extracorporeal shock-wave therapy) can be used for the treatment of Osgood-Schlatter disease. The duration of the sessions with Modus ESWT in soft tissues is approximately 5-20 minutes. Pain and complaints are largely eliminated within 4-6 weeks after a total of 4-5 sessions with 3-5 days intervals.



Lateral Epicondylopathy

Also known as “tennis elbow,” lateral epicondylopathy is a painful condition seen at the attachment of the muscle tendon to the bone on the outside of the elbow. The elbow joint is between the humerus and the ulna. In lateral epicondylopathy, there is degeneration and weaving of the tendon attachment site. This can cause pain related to movements in which the muscle is active (stretching, grasping, etc.). With Modus ESWT, this is treated without the need for anesthesia.



Calcified Tendonitis Of The Shoulder

Calcific tendonitis (or tendonitis) occurs when calcium builds up in the muscles or tendons. Although this can occur anywhere on the body, it usually occurs in the rotator cuff. The rotator cuff is a group of muscles and tendons that connect the upper arm to the shoulder. Calcium buildup in this area can cause pain and discomfort, as well as restricting range of motion in the arm. In mild-moderate cases ESWT (extracorporeal shock wave therapy) can be used. This preventive treatment method is based on the principle of delivering mechanical shock waves to the shoulder. Thus, the pain is eliminated by the creation of free radicals and the change in the biochemistry.



Myofascial Syndrome

Myofascial pain syndrome, defined as regional musculoskeletal pain, is a disease that occurs due to acute or chronic trauma of skeletal muscles. In myofascial pain syndrome, there are severe pains that constantly recur. This causes complaints such as neck, back, waist, knee, and elbow in addition to pain and stinging in the chest. With the superior focusing power of the Modus ESWT device, damaged tissues are stimulated, and their healthy form is achieved.



Trigger Points - Idiopathic Low Back

A trigger point is a painful area in the muscle where the normal functional relationship is disrupted. Trigger points impact the muscle by making it weak and tense. Causing strong spasms in the muscle group. It especially causes shoulder arm and waist pain. The muscles that are in a constant state of contraction also put pressure on the bones, causing these symptoms to appear in the neighboring joints and disrupt the blood circulation of the neighboring area. The pain is due to the decreased oxygen and nutrients in the circulation and the accumulation of metabolic waste.



Diabetic Foot Ulcers

Diabetic foot ulcers (DFUs) are among the most common foot disorders with ulceration, infection, and gangrene, that may ultimately lead to lower extremity amputation. The goals of treatment include the control of diabetes and proper shoe wear. Effective therapy and appropriate foot care are important in wound healing in DFUs. Recently, extracorporeal shockwave therapy (ESWT) was reported to significantly promote and accelerate the healing of complex soft tissue wounds compared to the standard methods of treatment in DFUs. ESWT showed positive results in short-term and long-term outcomes in diabetic patients suffering from foot ulcers.



Broken Fracture

Patients show symptoms such as pain, cyanosis, swelling, deformity, impaired symmetry, inability to move, and limitation of movement due to post-traumatic fractures, dislocations and sprains in joints, bones and adjacent tissues. ESWT has an effect on fracture healing, in bone and cartilage tissues. It has been observed that in non-healing fractures (pseudoarthrosis), the application of shock waves around the fracture increases osteoblastic activity and stimulated the periosteum, thus accelerating healing. Modus ESWT transmits the shock waves directly to the focal point.



Carpal Tunnel Syndrome

Carpal tunnel syndrome is a common condition that causes pain, numbness, and tingling in the hand and arm. Carpal tunnel syndrome is caused by pressure on the median nerve as it travels through the carpal tunnel. Studies show that women and older people are more likely to develop this condition. It is known that conditions such as heredity, repetitive hand use, pregnancy, diabetes, rheumatoid arthritis, and thyroid gland imbalance, trigger carpal tunnel syndrome.



> MODUS ESWT FOCUSED SHOCK WAVE THERAPY SYSTEM

> Modus ESWT Shock Wave System is a non-invasive treatment method based on focusing shock waves on the desired area of the body via a liquid-filled silicone cap. This method increases vascularization in the area affected and enables the body's healing mechanisms to come into play.

> Modus ESWT provides impulses up to 4 Hz and 0.25mJ.

> The device provides ease of use with its colored touch screen technology. In addition, the parameters set during the treatment can be easily followed on the device screen and can be changed as desired during the treatment.

> Modus ESWT device provides archive support to the user with its patient registration and follow-up menu.

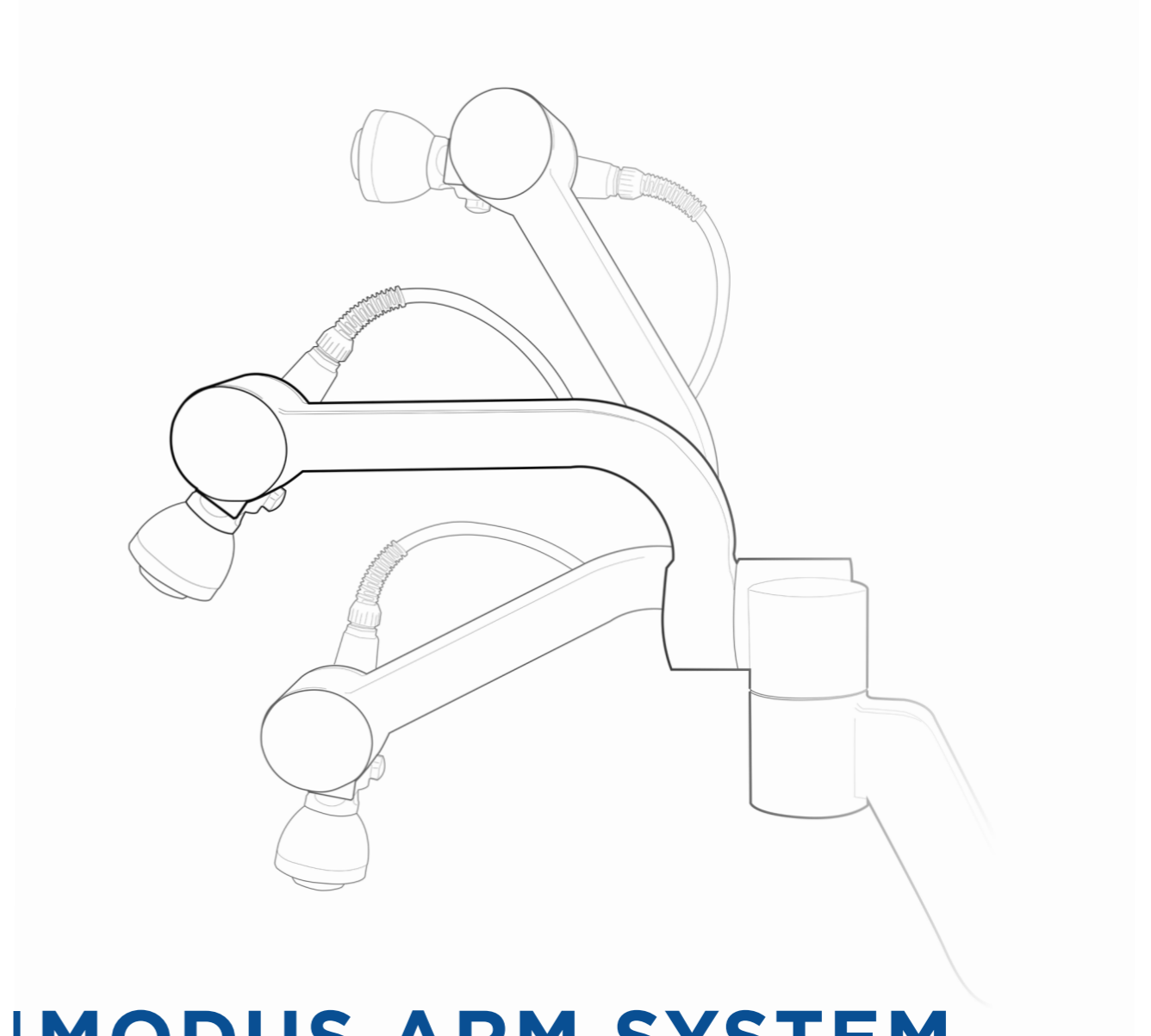
>The system provides video and written support to the user with the ready-made treatment programs in its content. Different caps are available for different treatments.

> When the number of beats set at the beginning of the treatment with Modus ESWT are reached, the system automatically stops and the user can intervene as desired.





Modus ESWT®
Focused Arm System
Arms system is an optional feature.



MODUS ARM SYSTEM

An optional arm that can be added to Modus ESWT provides ease of movement to the physician. This way the physician does not have to hold the handpiece for a long time during the treatment. In addition, it also minimizes the physician's contact with the patient. The arm can be moved in

3 axes. There are two buttons on the device for the arm. With help of these buttons, the device can move up and down. This way, positioning can be made according to the patient and their chair. The angle of the arm can also be adjusted manually.

> PAIN TREATMENT WITH MODUS ESWT FOCUSED FAST AND EASY

Pain Treatment In 4 Steps



1. MEDICAL EXAMINATION
Locate the painful area.



2. SIGN
Mark the painful area.



3. APPLY GEL
Apply the gel to combine the shock waves with the tissue.



4. APPLY SHOCK WAVES
While transmitting the shock waves to the painful area with our Radial or Focused Device, apply the applicator firmly to the painful area on the skin.

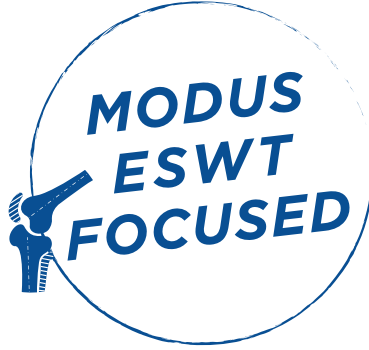


Technical Specifications

MANUFACTURER	İNCELER MEDİKAL SAĞLIK HİZMETLERİ SAN. TİC. LTD. ŞTİ
MODEL	Modus ESWT® Focused
QUALITY AND CLASSIFICATION	700-1060 hPa EN ISO 13485 According to EN 60601-1 Class I Type B IP20 MDD 93/42 CEE Class IIb FDA Registered Manufacturer
DIMENSIONS	Trolley + Upper Unit: 450mm x 350mm x 930mm; Upper Unit: 320mm x 120mm x 400 mm
WEIGHT	Trolley + Upper Unit: 58 kg
FREQUENCY	1 - 4 Hz or 1 - 8 Hz
MEMORY	2 - User defined Treatment Protocol
PROBE HEAD	2 Heads
POWER	1. level 0,01mJ/mm ² 2. level 0,02mJ/mm ² 25. level 0,25mJ/mm ²
WORKING PRINCIPLE	Electrohydraulic/Focused
OPERATING ENVIRONMENT	10° C ≤ Temperature ≤ 40° C 30% ≤ Humidity ≤ 75% 700 hPa ≤ atm press ≤ 1060 hPa
INSULATION	Internal 12 V DC Transformer Insulation
DISPLAY	TFT Touch Screen
FUSES	2x1A, 230 VAC
HANDPIECE ELECTRO-HYDRAULIC	Electrode Life: 50K-70K shock Shock applied in each Session: 1500 shock Patient Treatment: 6 sessions = 9K shock 1 Electrode: Approx. 6-7 patient (35-45 sessions)



Orthopedics



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